

What is claimed is:

1. A radio communication system in which data transmitting and receiving is achieved between a base station and a mobile station based on radio link quality and data delivery confirmation  
5 informed from the mobile station to the base station, wherein the base station comprises means for correcting the radio link quality in accordance with an expectation value of a packet error rate of packet data to be transmitted to the mobile station and a packet error rate of packet data actually received by the  
10 mobile station.
  
2. The radio communication system according to claim 1, wherein the base station further comprises means for controlling assignment of radio resources depending on an error between radio link quality measured at the mobile station and radio link quality  
15 for realizing the packet error rate expectation value.
  
3. The radio communication system according to claim 1, wherein when the packet error rate of the received packet data is larger than a preset threshold value, the mobile station provides a recovery period in which a CQI (Channel Quality Indicator) report  
20 value offset is made smaller at every detection of error in the received packet data.
  
4. The radio communication system according to claim 1, wherein upon start of assignment of the packet data, the mobile station provides a training period in which the CQI (Channel Quality

Indicator) report value offset is made smaller at every detection of error in the received packet data.

5. The radio communication system according to claim 1, wherein a power ratio between a transmission power in the case of transmission with a parameter according to a CQI (Channel Quality Indicator) report value corrected and a transmission power of a parameter in actual transmission.
6. The radio communication system according to claim 1, wherein the base station calculates in advance the packet error rate expectation value when the parameter is changed.
7. The radio communication system according to claim 1, wherein the packet error rate expectation value is a transfer error rate of the packet data to be transmitted.
- 15 8. A base station for transmitting and receiving data to and from a mobile station based on radio link quality and data delivery confirmation informed by the mobile station, comprising:  
means for correcting the radio link quality in accordance with an expectation value of a packet error rate of packet data to be transmitted to the mobile station and a packet error rate of packet data actually received by the mobile station.
9. The base station according to claim 8, further comprising:

means for controlling assignment of radio resources depending on an error between radio link quality measured at the mobile station and radio link quality for realizing the packet error rate expectation value.

5    10. The base station according to claim 8, wherein the radio link quality is adjusted by determining a power ratio between a transmission power in the case of transmission with a parameter according to a CQI (Channel Quality Indicator) report value corrected and a transmission power of a parameter in actual  
10 transmission.

11. The base station according to claim 8, wherein the packet error rate expectation value is calculated in advance when the parameter is changed.

12. The base station according to claim 8, wherein the packet  
15 error rate expectation value is a transfer error rate of the packet data to be transmitted.

13. A method of correcting radio link quality information of a radio communication system in which data transmitting and receiving is achieved between a base station and a mobile station  
20 based on radio link quality and data delivery confirmation informed from the mobile station to the base station, the method comprising:

      a step executed by the base station of correcting the radio link quality in accordance with an expectation value of a packet

error rate of packet data to be transmitted to the mobile station and a packet error rate of packet data actually received by the mobile station.

14. The method according to claim 13, further comprising:

5 a step executed by the base station of controlling assignment of radio resources depending on an error between radio link quality measured at the mobile station and radio link quality for realizing the packet error rate expectation value.

15. The method according to claim 13, wherein a recovery period

10 is provided at the mobile station when the packet error rate of the received packet data is larger than a preset threshold value, the recovery period being utilized to make a CQI (Channel Quality Indicator) report value offset smaller at every detection of error in the received packet data.

15 16. The method according to claim 13, wherein a training period is provided at the mobile station upon start of assignment of the packet data, the training period being utilized to make the CQI (Channel Quality Indicator) report value offset smaller at every detection of error in the received packet data.

20 17. The method according to claim 13, further comprising:

a step executed by the base station of adjusting the radio link quality by determining a power ratio between a transmission power in the case of transmission with a parameter according

to a CQI (Channel Quality Indicator) report value corrected and a transmission power of a parameter in actual transmission.

18. The method according to claim 13, further comprising:
  - a step executed by the base station of calculating in advance
- 5 the packet error rate expectation value when the parameter is changed.
19. The method according to claim 13, wherein the packet error rate expectation value is a transfer error rate of the packet data to be transmitted.
- 10 20. A program for a method of correcting radio link quality information employed in a radio communication system in which data transmitting and receiving is achieved between a base station and a mobile station based on radio link quality and data delivery confirmation informed from the mobile station to the base station,
- 15 wherein the program causes a computer to execute a step of:
  - correcting the radio link quality in accordance with an expectation value of a packet error rate of packet data to be transmitted to the mobile station and a packet error rate of packet data actually received by the mobile station.